

## **IN THE CLAIMS**

1-9. (canceled)

10. (currently amended) A method of reducing ~~preventing~~ neuronal cell death in a mammal, comprising:

administering to the mammal a nucleic acid molecule comprising a coding sequence for a neuronal marker (NM) protein selected from the group consisting of: NM Mus musculus retinal S antigen; Mus musculus neural retina leucine zipper gene; M musculus photoreceptor specific protein PSP G145; IMAGE 4507893 5; Mus musculus domesticus phosducin; IMAGE 4507284 5; Danio rerio brain type fatty acid binding protein; M musculus X linked juvenile retinoschisis protein; M musculus guanine nucleotide binding protein beta 1 Gnb1; Mus musculus TPA regulated locus; Mouse nuclear protein mdm 1; IMAGE 4511806 5; M musculus male germ cell associated kinase; heat shock protein 60 kDaMm 1777; no match17; NCI CGAP BC3 Mus musculus cDNA clone IMAGE 3976794; no homol6; Homo sapiens CGI 45 protein; ESTsMm 44103; Mouse opsin MOPS; IMAGE 4225062 5; Mm 100212; H sapiens fer fps fes related tyrosine kinase phosphoprotein NCP94 FER; IMAGE 4505626 5 602393946F1 NIH MGC 94; solute carrier family 12 member 2Mm 4168; Mus musculus BUB2 like protein 1 HBLP1 mRNA complete cdsMm 104771; hemoglobin Y beta like embryonic chainMm 35830; erythrocyte protein band 4 1Mm 30038; no match55; Mus musculus MYLE protein mRNA complete cdsMm 41091; RIKEN full length enriched adult male hypothalamus musculus cDNA clone A230050E13; NCI CGAP Mam6 Mus IMAGE 3500058; Mus musculus mRNA for GTP binding protein drg2 gene Mm 41803; Homo sapiens mRNA for KIAA1549 protein; Mus musculus karyopherin importin alpha 2 Kpna2; UI M BZ1 bk v b 01 0 UI 3; no match B; ESTsMm 939; Mus musculus cDNA sequence AF244542; IMAGE 1348390 5; solute carrier

family 30 zinc transporter member 3Mm 1396; no match110; Mus musculus homeodomain protein crx; promininMm 6250; no homol3; IMAGE 1279184 5; Human microfibril associated glycoprotein 4; Mm 70462; no match A; Rattus sp mRNA for BHF 1; ribosomal protein S24Mm 16775; Stratagene mouse Tcell 937311 IMAGE 1002041; NCI CGAP Kid14 Mus IMAGE 4236354 5; R norvegicus retinoblastoma binding protein 9; Mus musculus exostoses multiple 1 Ext1; selectin endothelial cell ligandMm 488; ESTs Weakly similar to HYPOTHETICAL 16 1 KD PROTEIN IN SEC17 QCR1 INTERGENIC REGION Saccharomyces cerevisiae Mm 27114; ESTs Highly similar to KIAA0824 protein H sapiens Mm 34579; Mus musculus ribosomal protein L10A Rpl10a; R norvegicus ribonucleoprotein F; clone 1110007F23; no match38; M musculus Srp20 gene; homeodomain interacting protein kinase 2Mm 20934; FSHD region gene 1Mm 67; UI M BH3 ari c 10 0 UI s1 NIH BMAP M S4; Homo sapiens CED 6 protein CED 6; Mus musculus RIKEN clone 0610009E22; RAB18 member RAS oncogene familyMm 22660; no match5; Mus musculus prominin Prom; ribosomal protein L12Mm 70127; ESTs Highly similar to ELONGATION FACTOR 1 DELTA Homo sapiens Mm 21086; ESTs Highly similar to HYPOTHETICAL 37 2 KD PROTEIN C12C2 09C IN CHROMOSOME I Schizosaccharomyces pombe Mm 21383; clone 3021401C12; M musculus very long chain acyl CoA dehydrogenase; vitronectinMm 3667; ESTs Weakly similar to LIV 1 protein H sapiens Mm 41214; Mus musculus dopamine receptor 4; no match7; ATPase H transporting lysosomal vacuolar proton pump noncatalytic accessory protein 1 110 160 kDa Mm 20869; Rattus norvegicus partial mRNA for CRM1 protein; eukaryotic translation elongation factor 1 alpha 1Mm 16317; Human karyopherin beta2 importin; ESTs Moderately similar to hypothetical protein H sapiens Mm 22878; Homo sapiens PAC clone RP4 687K1; UI M AO1 aeh e 11 0 UI r1 NIH BMAP MPG N; high mobility group protein 14Mm 2756; ESTsMm 31374; R

norvegicus aryl hydrocarbon interacting protein like 1; UI M CG0p bmu h 08 0 UI s1 NIH BMAP Ret4 S2; RAB10 member RAS oncogene familyMm 9455; Mus musculus early development regulator 2; no match83; Mus musculus topoisomerase DNA II beta; alpha tubulin; Homo sapiens MTA1 L1; retinitis pigmentosa GTPase regulator interacting protein 1 Mm 21662; Mus musculus FXYD dom containing ion transport regulator 5; Mus musculus cytochrome P450 3A25 CYP3A25 mRNA complete cdsMm 26993; IMAGE 4505626 5; RNA polymerase II transcriptional coactivatorMm 966; ESTs Highly similar to CAAX prenyl protease H sapiens Mm 34399; Soares mammary gland NbMMG IMAGE 1347586; clone 2700067D09; ESTs Weakly similar to define not available 5901802 D melanogaster Mm 35127; torsin family 1 member AMm 29151; Mm 23086; M musculus brain cyclic nucleotide gated K; Mus musculus N myc downstream regulated 1; Homo sapiens splicing factor 3b subunit 3; Mus musculus mRNA for Lim homeodomain protein Islet1Mm 42242; Mouse mRNA for syntaxin-3D 1; Mus musculus chromosome 7 clone 19K5; ES18 proteinMm 23296; ESTs Highly similar to KIAA0729 protein H sapiens Mm 13148; ESTsMm 33949; Rat transcription factor RZR beta gene; ESTs Moderately similar to hypothetical protein H sapiens Mm 30235; Homo sapiens KIAA0009 gene product; no match X; ESTs Moderately similar to MYOSIN LIGHT CHAIN KINASE Dictyostelium discoideum Mm 1881; serum glucocorticoid regulated kinaseMm 28405; ESTs Weakly similar to cappuccino D melanogaster Mm 41762; regulator of G protein signaling 9Mm 38548; ESTsMm 34351; ESTsMm 32460; Mm 44404; ESTsMm 37515; Mus musculus cytochrome P450 2f2 Cyp2f2; Finkel Biskis Reilly murine sarcoma virus FBR MuSV ubiquitously expressed fox derived Mm 4890; guanylate cyclase activator 1a retina Mm 16224; human CRX control; adducin 2 beta Mm 104155; mouse CRX control; NRL control; Mus musculus ELOVL4; Mus musculus N myc downstream regulated 3; lactate

dehydrogenase 1 A chainMm 26504; ESTs Moderately similar to stromelysin PDGF responsive  
 element binding protein transcription factor M musculus Mm 38372; ESTsMm 11285; M  
 musculus chr 10 clone RP21 39C4; ESTs Highly similar to 40 KD PEPTIDYL PROLYL CIS  
 TRANS ISOMERASE Homo sapiens Mm 30242; NIH BMAP Ret4 S2 Mus UI M CG0p big e  
 08 0 UI 3; Soares mammary gland NMLMG IMAGE 3467149; glycosylphosphatidylinositol 1  
 homolog human Mm 6354; Rattus norvegicus NMDA receptor subunit NR2; ESTsMm 33788;  
 Mus musculus hexokinase 1 Hk1; inosine 5 phosphate dehydrogenase 2Mm 6065; N myc  
 downstream regulated 3Mm 36775; no match V; villin 2Mm 4551; Rattus norvegicus TM6P1  
 TM6P1; Mus musculus mRNA for heterogeneous nuclear ribonucleoprotein HMm 21740;  
 ESTsMm 103333; Mus musculus retinal taurine transporter; Mus musculus poly rC binding  
 protein; ESTs Weakly similar to nuclear poly C binding protein M musculus Mm 29707; ESTs  
 Weakly similar to similar to 1 acyl glycerol 3 phosphate acyltransferases C elegans Mm 24117;  
 Mm 27013; pre B cell leukemia transcription factor 3Mm 7331; ESTsMm 21299; Mus  
 musculus kinectin 1; Mus musculus drebrin A mRNA complete cdsMm 104044; H3087H01 5  
 NIA Mouse 15K cDNA Clone Set; SAC483 Mouse e14 5 developing pituitary gland;  
 cloneE130113K08; Mus musculus major histocompatibility locus class II region Fas binding  
 protein Daxx DAXX gene partial cds Bing1 BING1 tapasin tapasin RalGDS like factor RLF  
 KE2 KE2 BING4 BING4 beta1 3 galactosyl transferase beta1 3 galactosylMm 20926; Mus  
 musculus aquaporin 1; acyl Coenzyme A dehydrogenase very long chainMm 18630; Mouse  
 proprotein convertase 4; M musculus activating transcription factor 4 Atf4; guanine nucleotide  
 binding protein beta 5Mm 4702; phosducin control; ESTsMm 38578; Barstead bowel MPLRB9  
 IMAGE 1095982; M musculus stromal cell derived factor recep; ESTs Weakly similar to E04F6  
 2 gene product C elegans Mm 18889; IMAGE 963149 5; syntaxin binding protein 1 Mm 3129;

solute carrier family 16 monocarboxylic acid transporters member 1Mm 9086; ESTs Highly similar to TRICARBOXYLATE TRANSPORT PROTEIN PRECURSOR Rattus norvegicus Mm 22679; Bcl2 likeMm 3882; Soares mouse p3NMF19 5 IMAGE 493296; Mus musculus beta galactosidase complex; H sapiens ADP ribosylation factor binding protein GGA2; Mm 31266; IMAGE 560050 5; Mus musculus DXHXS6673E protein DXHXS6673E mRNA complete cdsMm 23458; M musculus mRNA for hair keratin mHb6; Mus musculus thyroglobulin; ESTs Moderately similar to KIAA0956 protein H sapiens Mm 11428; H3050H05 3 NIA Mouse 15K cDNA Clone Set; ESTs Moderately similar to signal recognition particle 54K protein M musculus Mm 32508; Mouse PSD 95 SAP90A; ESTsMm 29308; alkaline phosphatase 2 liverMm 1265; Homo sapiens 12 seeders BAC RP11 19E18; ESTsMm 41269; ESTsMm 86724; Homo sapiens 12q13 1 PAC RPC11 228P16; serine threonine kinase receptor associated proteinMm 22584; UI M BZ0 axl a 11 0 UI s1 NIH BMAP MHI2; Mus musculus poly rC binding protein 2; IMAGE 4503171 5; ESTsMm 35430; activating transcription factor 4Mm 641; Mouse serine threonine phosphatase 2C; GAPDH control; Human mRNA for KIAA0299; ESTs Weakly similar to proline rich protein M musculus Mm 41665; megakaryocyte associated tyrosine kinaseMm 2918; homer neuronal immediate early gene 2Mm 228; peroxisomal farnesylated proteinMm 29198; blank; zinc finger protein 238Mm 27962; ESTs Highly similar to PHENYLALANYL TRNA SYNTHETASE BETA CHAIN CYTOPLASMIC Saccharomyces cerevisiae Mm 27403; Rat microtubule associated protein 2 MAP2; timeless homolog Drosophila Mm 6458; kinectin 1Mm 3110; phosphatidylinositol membrane associatedMm 1860; R norvegicus CDP diacylglycerol synthase; Homo sapiens DKFZp434A132; Mus musculus hematopoietic zinc finger; mitogen activated protein kinase kinase 7Mm 3906; H3110G03 3 NIA Mouse 15K cDNA; ESTs Highly similar to HYPOTHETICAL 47 9 KD

PROTEIN B0303 3 IN CHROMOSOME III *Caenorhabditis elegans* Mm 30147; ESTs Highly similar to CELL GROWTH REGULATING NUCLEOLAR PROTEIN M *musculus* Mm 28560; no match W; Mouse endogenous murine leukemia virus polytropic provirus DNA; clone1110013A05; aryl hydrocarbon receptorMm 4452; peroxisome proliferator activated receptor alphaMm 1373; Mus *musculus* LAG protein Lag *Rattus* NMDA receptor glutamate binding subunit; Mus *musculus* syntaxin binding protein 1; Mus *musculus* MAP kinase phosphatase 6; *Rattus norvegicus* retina specific protein PAL; no match33; Mus *musculus* myc box dependent interacting pro; Murine leukemia virus erv1 envelope protein; cytochrome c oxidase subunit VIIa 3Mm 2151; proteasome prosome macropain subunit alpha type 3Mm 1007; Homo sapiens mRNA cDNA DKFZp434N1615; Mus *musculus* TCR beta locus; ESTs Weakly similar to LOK M *musculus* Mm 74661; small inducible cytokine subfamily A member 22Mm 12895; ESTsMm 23682; no match I; no match H; high mobility group protein I isoform CMm 3953; protein kinase cAMP dependent catalytic alphaMm 22479; Mus *musculus* phosphatidylinositol membrane associated; no match G; Mouse heparin binding epidermal growth factor like; Homo sapiens cDNA DKFZp586B0924; Mouse magnesium dependent protein; ESTs Weakly similar to ZW10 interactor Zwint H sapiens Mm 38994; ESTsMm 30480; H sapiens ADP ribosylation factor GTPase activating protein 1; Mus elongation of very long chain fatty acids; Mouse Y box binding protein 1 DNA binding MSY 1; Homo sapiens KIAA0249 gene product; Mus *musculus* Ran binding protein 2; Mus *musculus* histidine decarboxylase cluster; Homo sapiens cDNA FLJ21612 fis clone COL07355; UI M BH2 3 aqc g 10 0 UI 5; *Rattus norvegicus* APP binding protein 1; Mus *musculus* beta site APP cleaving enzyme; DNA methyltransferase cytosine 5 Mm 7814; no match66; ESTs Weakly similar to Lpi2p S *cerevisiae* Mm 21859; R *norvegicus* phosphatidylinositol synthase; ribonuclease L 2 5

oligoisoadenylate synthetase dependent inhibitor Mm 5831; Mm 104074; H sapiens protein phosphatase 2A regulatory subunit B; H3147A11 5 NIA Mouse 15K cDNA Clone Set; Mus musculus Y box transcription factor; Mouse gene for basigin; Homo sapiens mRNA for FLJ00042 protein; R norvegicus nup155 nucleoporin 155kD; tubby like protein 1 Mm 42102; R norvegicus RNA binding protein SiahBP; UI M BZ0 axj h 06 0 UI 3; and Mus musculus pyruvate kinase 3, whereby neuronal cell death in the mammal is reduced ~~inhibited or prevented~~.

11. (currently amended) A method of reducing ~~preventing~~ neuronal cell death in a mammal, comprising:

administering to the mammal a purified human neuronal marker (NM) protein selected from the group consisting of: NM Mus musculus retinal S antigen; Mus musculus neural retina leucine zipper gene; M musculus photoreceptor specific protein PSP G145; IMAGE 4507893 5; Mus musculus domesticus phosducin; IMAGE 4507284 5; Danio rerio brain type fatty acid binding protein; M musculus X linked juvenile retinoschisis protein; M musculus guanine nucleotide binding protein beta 1 Gnb1; Mus musculus TPA regulated locus; Mouse nuclear protein mdm 1; IMAGE 4511806 5; M musculus male germ cell associated kinase; heat shock protein 60 kDa Mm 1777; no match17; NCI CGAP BC3 Mus musculus cDNA clone IMAGE 3976794; no homol6; Homo sapiens CGI 45 protein; ESTs Mm 44103; Mouse opsin MOPS; IMAGE 4225062 5; Mm 100212; H sapiens fer fps fes related tyrosine kinase phosphoprotein NCP94 FER; IMAGE 4505626 5 602393946F1 NIH MGC 94; solute carrier family 12 member 2 Mm 4168; Mus musculus BUB2 like protein 1 HBLP1 mRNA complete cds Mm 104771; hemoglobin Y beta like embryonic chain Mm 35830; erythrocyte protein band 4 1 Mm 30038; no match55; Mus musculus MYLE protein mRNA complete cds Mm 41091; RIKEN full length enriched adult male hypothalamus musculus cDNA clone A230050E13; NCI CGAP Mam6 Mus

IMAGE 3500058; *Mus musculus* mRNA for GTP binding protein drg2 gene Mm 41803; *Homo sapiens* mRNA for KIAA1549 protein; *Mus musculus* karyopherin importin alpha 2 Kpna2; UI M BZ1 bk v b 01 0 UI 3; no match B; ESTsMm 939; *Mus musculus* cDNA sequence AF244542; IMAGE 1348390 5; solute carrier family 30 zinc transporter member 3Mm 1396; no match110; *Mus musculus* homeodomain protein crx; promininMm 6250; no homol3; IMAGE 1279184 5; Human microfibril associated glycoprotein 4; Mm 70462; no match A; *Rattus sp* mRNA for BHF 1; ribosomal protein S24Mm 16775; Stratagene mouse Tcell 937311 IMAGE 1002041; NCI CGAP Kid14 *Mus* IMAGE 4236354 5; *R norvegicus* retinoblastoma binding protein 9; *Mus musculus* exostoses multiple 1 Ext1; selectin endothelial cell ligandMm 488; ESTs Weakly similar to HYPOTHETICAL 16 1 KD PROTEIN IN SEC17 QCR1 INTERGENIC REGION *Saccharomyces cerevisiae* Mm 27114; ESTs Highly similar to KIAA0824 protein H sapiens Mm 34579; *Mus musculus* ribosomal protein L10A Rpl10a; *R norvegicus* ribonucleoprotein F; clone 1110007F23; no match38; *M musculus* Srp20 gene; homeodomain interacting protein kinase 2Mm 20934; FSHD region gene 1Mm 67; UI M BH3 ari c 10 0 UI s1 NIH BMAP M S4; *Homo sapiens* CED 6 protein CED 6; *Mus musculus* RIKEN clone 0610009E22; RAB18 member RAS oncogene familyMm 22660; no match5; *Mus musculus* prominin Prom; ribosomal protein L12Mm 70127; ESTs Highly similar to ELONGATION FACTOR 1 DELTA *Homo sapiens* Mm 21086; ESTs Highly similar to HYPOTHETICAL 37 2 KD PROTEIN C12C2 09C IN CHROMOSOME I *Schizosaccharomyces pombe* Mm 21383; clone 3021401C12; *M musculus* very long chain acyl CoA dehydrogenase; vitronectinMm 3667; ESTs Weakly similar to LIV 1 protein H sapiens Mm 41214; *Mus musculus* dopamine receptor 4; no match7; ATPase H transporting lysosomal vacuolar proton pump noncatalytic accessory protein 1 110 160 kDa Mm 20869; *Rattus norvegicus* partial mRNA for CRM1 protein; eukaryotic translation



elongation factor 1 alpha 1Mm 16317; Human karyopherin beta2 importin; ESTs Moderately similar to hypothetical protein H sapiens Mm 22878; Homo sapiens PAC clone RP4 687K1; UI M AO1 aeh e 11 0 UI r1 NIH BMAP MPG N; high mobility group protein 14Mm 2756; ESTsMm 31374; R norvegicus aryl hydrocarbon interacting protein like 1; UI M CG0p bmu h 08 0 UI s1 NIH BMAP Ret4 S2; RAB10 member RAS oncogene familyMm 9455; Mus musculus early development regulator 2; no match83; Mus musculus topoisomerase DNA II beta; alpha tubulin; Homo sapiens MTA1 L1; retinitis pigmentosa GTPase regulator interacting protein 1 Mm 21662; Mus musculus FXYP dom containing ion transport regulator 5; Mus musculus cytochrome P450 3A25 CYP3A25 mRNA complete cdsMm 26993; IMAGE 4505626 5; RNA polymerase II transcriptional coactivatorMm 966; ESTs Highly similar to CAAX prenyl protease H sapiens Mm 34399; Soares mammary gland NbMMG IMAGE 1347586; clone 2700067D09; ESTs Weakly similar to defline not available 5901802 D melanogaster Mm 35127; torsin family 1 member AMm 29151; Mm 23086; M musculus brain cyclic nucleotide gated K; Mus musculus N myc downstream regulated 1; Homo sapiens splicing factor 3b subunit 3; Mus musculus mRNA for Lim homeodomain protein Islet1Mm 42242; Mouse mRNA for syntaxin 3D 1; Mus musculus chromosome 7 clone 19K5; ES18 proteinMm 23296; ESTs Highly similar to KIAA0729 protein H sapiens Mm 13148; ESTsMm 33949; Rat transcription factor RZR beta gene; ESTs Moderately similar to hypothetical protein H sapiens Mm 30235; Homo sapiens KIAA0009 gene product; no match X; ESTs Moderately similar to MYOSIN LIGHT CHAIN KINASE Dictyostelium discoideum Mm 1881; serum glucocorticoid regulated kinaseMm 28405; ESTs Weakly similar to cappuccino D melanogaster Mm 41762; regulator of G protein signaling 9Mm 38548; ESTsMm 34351; ESTsMm 32460; Mm 44404; ESTsMm 37515; Mus musculus cytochrome P450 2f2 Cyp2f2; Finkel Biskis Reilly murine sarcoma virus

FBR MuSV ubiquitously expressed fox derived Mm 4890; guanylate cyclase activator 1a retina Mm 16224; human CRX control; adducin 2 beta Mm 104155; mouse CRX control; NRL control; Mus musculus ELOVL4; Mus musculus N myc downstream regulated 3; lactate dehydrogenase 1 A chain Mm 26504; ESTs Moderately similar to stromelysin PDGF responsive element binding protein transcription factor M musculus Mm 38372; ESTs Mm 11285; M musculus chr 10 clone RP21 39C4; ESTs Highly similar to 40 KD PEPTIDYL PROLYL CIS TRANS ISOMERASE Homo sapiens Mm 30242; NIH BMAP Ret4 S2 Mus UI M CG0p big e 08 0 UI 3; Soares mammary gland NMLMG IMAGE 3467149; glycosylphosphatidylinositol 1 homolog human Mm 6354; Rattus norvegicus NMDA receptor subunit NR2; ESTs Mm 33788; Mus musculus hexokinase 1 Hk1; inosine 5 phosphate dehydrogenase 2 Mm 6065; N myc downstream regulated 3 Mm 36775; no match V; villin 2 Mm 4551; Rattus norvegicus TM6P1 TM6P1; Mus musculus mRNA for heterogeneous nuclear ribonucleoprotein HMm 21740; ESTs Mm 103333; Mus musculus retinal taurine transporter; Mus musculus poly rC binding protein; ESTs Weakly similar to nuclear poly C binding protein M musculus Mm 29707; ESTs Weakly similar to similar to 1 acyl glycerol 3 phosphate acyltransferases C elegans Mm 24117; Mm 27013; pre B cell leukemia transcription factor 3 Mm 7331; ESTs Mm 21299; Mus musculus kinectin 1; Mus musculus drebrin A mRNA complete cds Mm 104044; H3087H01 5 NIA Mouse 15K cDNA Clone Set; SAC483 Mouse e14 5 developing pituitary gland; clone E130113K08; Mus musculus major histocompatibility locus class II region Fas binding protein Daxx DAXX gene partial cds Bing1 BING1 tapasin tapasin RalGDS like factor RLF KE2 KE2 BING4 BING4 beta1 3 galactosyl transferase beta1 3 galactosyl Mm 20926; Mus musculus aquaporin 1; acyl Coenzyme A dehydrogenase very long chain Mm 18630; Mouse proprotein convertase 4; M musculus activating transcription factor 4 Atf4; guanine nucleotide

binding protein beta 5Mm 4702; phosducin control; ESTsMm 38578; Barstead bowel MPLRB9  
 IMAGE 1095982; M musculus stromal cell derived factor recep; ESTs Weakly similar to E04F6  
 2 gene product C elegans Mm 18889; IMAGE 963149 5; syntaxin binding protein 1 Mm 3129;  
 solute carrier family 16 monocarboxylic acid transporters member 1Mm 9086; ESTs Highly  
 similar to TRICARBOXYLATE TRANSPORT PROTEIN PRECURSOR Rattus norvegicus  
 Mm 22679; Bcl2 likeMm 3882; Soares mouse p3NMF19 5 IMAGE 493296; Mus musculus beta  
 galactosidase complex; H sapiens ADP ribosylation factor binding protein GGA2; Mm 31266;  
 IMAGE 560050 5; Mus musculus DXHXS6673E protein DXHXS6673E mRNA complete  
 cdsMm 23458; M musculus mRNA for hair keratin mHb6; Mus musculus thyroglobulin; ESTs  
 Moderately similar to KIAA0956 protein H sapiens Mm 11428; H3050H05 3 NIA Mouse 15K  
 cDNA Clone Set; ESTs Moderately similar to signal recognition particle 54K protein M  
 musculus Mm 32508; Mouse PSD 95 SAP90A; ESTsMm 29308; alkaline phosphatase 2  
 liverMm 1265; Homo sapiens 12 seeders BAC RP11 19E18; ESTsMm 41269; ESTsMm  
 86724; Homo sapiens 12q13 1 PAC RPC11 228P16; serine threonine kinase receptor associated  
 proteinMm 22584; UI M BZ0 axl a 11 0 UI s1 NIH BMAP MHI2; Mus musculus poly rC  
 binding protein 2; IMAGE 4503171 5; ESTsMm 35430; activating transcription factor 4Mm  
 641; Mouse serine threonine phosphatase 2C; GAPDH control; Human mRNA for KIAA0299;  
 ESTs Weakly similar to proline rich protein M musculus Mm 41665; megakaryocyte associated  
 tyrosine kinaseMm 2918; homer neuronal immediate early gene 2Mm 228; peroxisomal  
 farnesylated proteinMm 29198; blank; zinc finger protein 238Mm 27962; ESTs Highly similar  
 to PHENYLALANYL TRNA SYNTHETASE BETA CHAIN CYTOPLASMIC Saccharomyces  
 cerevisiae Mm 27403; Rat microtubule associated protein 2 MAP2; timeless homolog  
 Drosophila Mm 6458; kinectin 1Mm 3110; phosphatidylinositol membrane associatedMm

1860; R norvegicus CDP diacylglycerol synthase; Homo sapiens DKFZp434A132; Mus musculus hematopoietic zinc finger; mitogen activated protein kinase kinase 7Mm 3906; H3110G03 3 NIA Mouse 15K cDNA; ESTs Highly similar to HYPOTHETICAL 47 9 KD PROTEIN B0303 3 IN CHROMOSOME III Caenorhabditis elegans Mm 30147; ESTs Highly similar to CELL GROWTH REGULATING NUCLEOLAR PROTEIN M musculus Mm 28560; no match W; Mouse endogenous murine leukemia virus polytropic provirus DNA; clone1110013A05; aryl hydrocarbon receptorMm 4452; peroxisome proliferator activated receptor alphaMm 1373; Mus musculus LAG protein Lag Rattus NMDA receptor glutamate binding subunit; Mus musculus syntaxin binding protein 1; Mus musculus MAP kinase phosphatase 6; Rattus norvegicus retina specific protein PAL; no match33; Mus musculus myc box dependent interacting pro; Murine leukemia virus erv1 envelope protein; cytochrome c oxidase subunit VIIa 3Mm 2151; proteasome prosome macropain subunit alpha type 3Mm 1007; Homo sapiens mRNA cDNA DKFZp434N1615; Mus musculus TCR beta locus; ESTs Weakly similar to LOK M musculus Mm 74661; small inducible cytokine subfamily A member 22Mm 12895; ESTsMm 23682; no match I; no match H; high mobility group protein I isoform CMm 3953; protein kinase cAMP dependent catalytic alphaMm 22479; Mus musculus phosphatidylinositol membrane associated; no match G; Mouse heparin binding epidermal growth factor like; Homo sapiens cDNA DKFZp586B0924; Mouse magnesium dependent protein; ESTs Weakly similar to ZW10 interactor Zwint H sapiens Mm 38994; ESTsMm 30480; H sapiens ADP ribosylation factor GTPase activating protein 1; Mus elongation of very long chain fatty acids; Mouse Y box binding protein 1 DNA binding MSY 1; Homo sapiens KIAA0249 gene product; Mus musculus Ran binding protein 2; Mus musculus histidine decarboxylase cluster; Homo sapiens cDNA FLJ21612 fis clone COL07355; UI M BH2 3 aqc g

10 0 UI 5; Rattus norvegicus APP binding protein 1; Mus musculus beta site APP cleaving enzyme; DNA methyltransferase cytosine 5 Mm 7814; no match66; ESTs Weakly similar to Lpi2p S cerevisiae Mm 21859; R norvegicus phosphatidylinositol synthase; ribonuclease L 2 5 oligoisoadenylate synthetase dependent inhibitorMm 5831; Mm 104074; H sapiens protein phosphatase 2A regulatory subunit B; H3147A11 5 NIA Mouse 15K cDNA Clone Set; Mus musculus Y box transcription factor; Mouse gene for basigin; Homo sapiens mRNA for FLJ00042 protein; R norvegicus nup155 nucleoporin 155kD; tubby like protein 1 Mm 42102; R norvegicus RNA binding protein SiahBP; UI M BZ0 axj h 06 0 UI 3; and Mus musculus pyruvate kinase 3, whereby neuronal cell death in the mammal is reduced ~~inhibited or prevented~~.

12. (currently amended) The method of claim 10 or 11 wherein the mammal ~~subject~~ has retinal cell degeneration.

13. (withdrawn) The method of claim 10 or 11 wherein the mammal ~~subject~~ has Alzheimer's disease.

14. (withdrawn) The method of claim 10 or 11 wherein the mammal ~~subject~~ has diabetic retinopathy.

15. (withdrawn) The method of claim 10 or 11 wherein the mammal ~~subject~~ has Huntington's disease.

16. (withdrawn) The method of claim 10 or 11 wherein the mammal ~~subject~~ has spinal cord injury.

17. (withdrawn) The method of claim 10 or 11 wherein the mammal ~~subject~~ has Parkinson's disease.

18. (currently amended) The method of claim 10 or 11 wherein the mammal ~~subject~~ has glaucoma.

19. (withdrawn) The method of claim 10 or 11 wherein the mammal ~~subject~~ has age-related macular degeneration.

20-53. (canceled)